



## APPLICATION DATA SHEET

### APPLICATION INFORMATION

Application Number::	10/661,319
Filing date::	September 12, 2003 (09/23/2003)
Application Type::	Utility
Title Line One::	OPTICAL DEVICES AND METHODS
Title Line Two::	EMPLOYING NANOPARTICLES, MICRO-
Title Line Three::	CAVITIES, AND SEMICONTINUOUS METAL
Title Line Four::	FILMS
Attorney Docket Number::	37000 CIP2 9906
Request for Early Publication?::	No
Request for Non-Publication?::	No
Suggested Drawing Figure::	12
Total Drawing Sheets::	16
Small Entity?::	Yes
Petition Included?::	No
Licensed US Govt. Agency::	National Science Foundation
Contract or Grant Numbers::	DMR 9623663 & DMR 9810183
Licensed US Govt. Agency::	National Aeronautics Space Administration
Contract or Grant Numbers::	NAG8-1710
Licensed US Govt. Agency::	ARO (U.S. Army)
Contract or Grant Numbers::	DAAG55-98-1-0425
Licensed US Govt. Agency::	New Mexico Universities Collaborative Research
Contract or Grant Numbers::	(NUCOR) Program 9882 and 9964
Secrecy Order in Parent Appl.?::	No

## **APPLICANT INFORMATION**

**Applicant (1) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor One Given Name::** Robert  
**Middle Name::** L.  
**Family Name::** Armstrong  
**Name Suffix::**  
**City of Residence::** Las Cruces  
**State or Province of Residence::** New Mexico  
**Country of Residence::** US  
**Street of Mailing Address::** 3260 Majestic Ridge  
**City of Mailing Address::** Las Cruces  
**State or Province of Mailing Address::** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 88011

**Applicant (2) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor Two Given Name::** Vladimir  
**Middle Name::** M.  
**Family Name::** Shalaev  
**Name Suffix::**  
**City of Residence::** West Lafayette  
**State or Province of Residence::** Indiana  
**Country of Residence::** US  
**Street of Mailing Address::** 6210 Old SR26W  
**City of Mailing Address::** West Lafayette  
**State or Province of Mailing Address::** Indiana  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 47906

**Applicant (3) Authority Type::** Inventor  
**Primary Citizenship** US  
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**Status::** Full Capacity  
**Inventor Three Given Name::** Harold  
**Middle Name::** V.  
**Family Name::** Smith  
**Name Suffix::**  
**City of Residence::** Las Cruces  
**State or Province of**  
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**Country of Residence::** US  
**Street of Mailing Address::** 821 Canterbury Arc  
**City of Mailing Address::** Las Cruces  
**State or Province of**  
**Mailing Address::** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing**  
**Address::** 88005

**Applicant (4) Authority Type::** Inventor  
**Primary Citizenship** Russia  
**Country::** Russia  
**Status::** Full Capacity  
**Inventor Four Given Name::** Andrey  
**Middle Name::** K.  
**Family Name::** Sarychev  
**Name Suffix::**  
**City of Residence::** West Lafayette  
**State or Province of**  
**Residence::** Indiana  
**Country of Residence::** US  
**Street of Mailing Address::** Purdue University  
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**City of Mailing Address::** West Lafayette  
**State or Province of**  
**Mailing Address::** Indiana  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing**  
**Address::** 47907-1248

**Applicant (5) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor Five Given Name::** Z.  
**Middle Name::** Charles  
**Family Name::** Ying  
**Name Suffix::**  
**City of Residence::** Boyds  
**State or Province of Residence::** Maryland  
**Country of Residence::** US  
**Street of Mailing Address::** 18513 Black Kettle Drive  
**City of Mailing Address::** Boyds  
**State or Province of Mailing Address::** Maryland  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 20841-4310

#### **CORRESPONDENCE INFORMATION**

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#### **REPRESENTATIVE INFORMATION**

**Representative Customer**  
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## **DOMESTIC PRIORITY INFORMATION**

**Application::** 09/797,609  
**Continuity Type::** Continuation-in-Part  
**Parent Application::** 09/572,721 (U.S. Patent 6,608,716)  
**Parent Filing Date::** 05/16/2000

**Application::** 09/955,712  
**Continuity Type::** Appl claiming benefit under 35 USC 119(e)  
**Parent Application::** 60/233,804  
**Parent Filing Date::** 09/19/2000  
**2nd Parent Application::** 60/278,466  
**2<sup>nd</sup> Parent Filing Date::** 03/23/2001

## **ASSIGNEE INFORMATION**

**Assignee Name::** NEW MEXICO STATE UNIVERSITY  
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**State or Province of Mailing Address:** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 88003-8001